AMERICAN UNIVERSITY of Beirut OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN: DIRECTOR

HALIM HOURANI, OBSERVER

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

March 1960

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WEATHER BUREAU

MARCH 1960

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	56.6	58.1	59.0	57.9	19.5	13.1	14.7	18.7	15.0	16.1
2	61.5	61.7	62.5	61.9	19.3	13.7	14.7	18.6	15.5	16.3
3	61.7	59.8	59.9	60.5	20.7	14.2	15.3	19.0	17.0	17.1
4	59.5	58.4	57.4	58.4	20.7	11.8	16.4	19.2	16.5	17.4
5	58.2	59.6	60.6	59.5	19.2	12.7	14.6	17.5	14.0	15.4
6	58.2	56.0	54.6	56.3	21.0	13.0	16.5	19.5	17.0	17.7
7	56.1	56.8	59.2	57.4	17.5	11.8	14.7	16.1	13.5	14.8
8	60.7	60.7	61.7	61.0	17.5	11.0	14.3	16.0	13.5	14.6
9	61.2	58.2	56.0	58.5	16.9	13.1	13.1	15.9	16.0	15.0
10	54.5	53.2	55.2	54.3	20.9	11.6	17.0	19.1	12.0	16.0
11	57.7	57.6	58.4	57.9	17.9	11.0	14.7	14.9	12.0	13.9
12	60.2	61.4	63.2	61.6	14.5	11.2	13.8	13.0	11.5	12.8
13	65.2	64.1	64.1	64.5	14.7	11.0	12.5	13.7	12.5	12.9
14	63.5	63.3	63.4	63.4	17.3	11.9	13.7	16.3	15.0	15.0
15	63.8	63.7	64.2	63.9	17.9	12.1	14.8	16.9	15.0	15.6
16	64.2	64.1	65.1	64.5	18.3	13.2	14.8	17.9	15.0	15.9
17	65.0	64.2	63.0	64.1	18.5	14.2	15.3	17.8	16.5	16.5
18	61.2	59.6	60.2	60.3	20.9	15.0	16.2	20.3	16.0	17.5
19	59.0	58.1	58.1	58.4	21.0	16.0	17.0	19.6	17.0	17.9
20	55.4	56.4	57.9	56.6	23.1	15.1	19.0	22.5	16.5	19.3
21	54.2	52.8	55.2	54.1	21.4	10.6	18.3	21.0	14.0	17.8
22	54.6	55.1	56.9	55.5	17.0	11.0	12.0	15.0	13.2	13.4
23	57.5	57.9	58.1	57.8	15.9	11.4	12.0	13.1	12.0	12.4
24	58.5	5.90	60.4	59.3	17.9	12.5	14.7	14.2	15.0	14.6
25	63.0	62.8	64.5	63.4	18.8	13.2	15.1	18.8	14.5	16.1
26	63.8	63.5	63.0	63.4	19.0	14.7	15.8	18.2	16.0	16.7
27	61.4	60.3	59.6	60.4	19.5	15.4	17.5	18.0	17.0	17.5
28	59.4	58.9	58.9	59.1	21.3	16.4	17.5	20.0	18.0	18.5
29	58.2	56.6	57.5	57.4	25.5	16.5	19.2	25.2	18.5	21.0
30	57.4	55.3	51.9	54.9	23.9	18.2	20.6	22.4	21.5	21.5
31	56.2	57.3	58.8	57.4	29.0	16.2	19.0	20.0	17.0	18.7
	59.60	59.18	59.63	59.47	19.56	13.32	15.64	18.01	15.28	16.32

Barometer, range for month 765.2 mm. — 751.9 mm.
„ 71-yr. average for month 761.19mm.
Thermometer, range for month 29.0°C — 10.6°C
„ 82-yr. average for month 15.7°C
Rain total for month 118.20 mm.
„ 82-yr average for month 96.1 mm.
„ Total, Sept. 1st. to end of month 591.04 mm.
„ 82-yr average. Sept. 1st. to end of month 820.41 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	8.7	11.7	11.6	10.7	53	54	69	59	9.9	80	
2	11.1	11.6	12.1	11.6	66	54	69	63	7.5	113	
3	10.4	13.8	10.0	11.4	60	63	51	58	6.8	206	
4	11·5	14.4	10.4	12.1	61	65	55	60	8.4	140	
5	13.3	14.1	13.0	13.5	81	70	82	78	3.6	291	28.72
6	11.2	13.2	11.4	11.9	59	58	58	58	8.3	254	0.75
7	11.4	10.8	9.6	10.6	69	59	61	63	2.7	435	6.02
8	10.0	10.7	9.6	10.1	61	59	61	60	6.4	190	0.95
9	9.4	8.6	11.8	9.9	62	48	65	58	6.8	77	
10	12.5	15.1	12.3	13.3	64	68	88	73	3.4	229	13.05
11	11.4	11.9	12.3	11.9	69	71	88	76	2.8	146	2.75
12	9.2	7.6	5.6	7.5	59	52	41	51	7.6	275	1.13
13	5.6	6.6	8.2	6.8	39	43	56	46	7.5	240	
14	9.9	7.7	9.2	8.9	63	40	54	52	9.5	92	
15	9.4	12.0	12.0	11.1	56	62	71	63	6.0	21	
16	12.8	12.4	13.0	12.7	76	66	76	73		56	2.00
17	12.6	14.0	15.9	14.2	72	69	85	75	9.0	113	
18	15.2	13.4	12.6	13.7	83	56	69	69	9.2	58	
19	13.6	17.2	15.1	15.3	70	76	78	75	6.7	82	
20	13.8	16.8	16.2	15.6	63	62	87	71	8.1	101	
21	16.8	15.6	12.7	15.0	80	65	80	75	7.7	130	1.60
22	12.3	11.6	12.4	12.1	88	69	82	80	1.8	359	26.20
23	12.0	13.2	12.3	12.5	85	88	88	87	1.5	232	22.67
24	13.0	14.7	11.6	13.1	79	91	69	80	4.5	132	11.81
25	12.4	12.1	11.9	12.1	72	56	72	67	9.5	71	0.55
26	11.6	13.3	12.6	12.5	65	64	69	66	9.5	48	
27	12.2	14.6	15.0	13.9	60	71	77	69	8.8	132	
28	17.1	17.0	15.7	16.6	85	73	76	78	9.4	48	
29	14.0	9.8	15.2	13.0	63	30	71	55	9.4	19	
30	12.2	18.8	10.9	14.0	51	70	42	54	9.1	16	
31	15.8	15.4	15.3	15.5	72	66	80	73	7.4	435	
	12.01	12.89	12.18	12.36	67.3	62.5	70.0	66.6	6.93	155.52	3.81

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	3cu	4cu	2.3	2e	3sw	2sw	light	Tr.p.m
2	0	4cu-st	9st	4.3	2sw	3sw	1sw	,,	
3	1ci	9cu-st	4st	4.7	3sw	3sw	1sw	,,	
4	4cu-ci	7cu-st	0	3.7	2sw	3sw	2sw	,,	
5	10cu-ni	6st-ci	9cu-st	8.3	5sw	1sw	1sw	,,	T.a.m
6	0	2ci	6cu-st	2.7	1sw	2sw	4sw	light	
7	9st	10st	5cu	8.0	5sw	6sw	5sw	slight	
8	6cu-st	7cu-st	7cu-st	6.7	4sw	3nw	2nw	light	
9	10ci-st	10ci	10ci	10.0	2ne	3ne	1ne	,,	
10	10st-ni	10st-ci	10cu-ni	10.0	3e	5sw	2sw	sligh	
11	10st	10st	8cu-st	9.3	4n	2n	1ne	light	
12	10st-ni	7cu-st	0	5.7	4n	4ne	3ne	,,	
13	0	4ci	1ci	1.7	3ne	2ne	1ne	,,	
14	0	0	1ci	0.3	2ne	2ne	2ne	,,	
15	10ci	10st	9st	9.7	2ne	0	0	,,	
16	5cu-st	3cu-st	1ci	3.0	2sw	2nw	1n	light	
17	0	7ci	0	2.3	3nw	3ne	2ne	,,	D.a.m
18	0	3ci	0	1.0	2ne	2ne	1ne	,,	D.a.m
19	1ci	9st-ci	0	3.3	2sw	1sw	1sw	,,	D.a.m
20	3ci	0	0	1.0	2sw	2sw	1sw	,,	
21	8cu-ci	0	5cu-st	4.3	3sw	4sw	3sw	light	D.a.m.G.p.m
22	10st-ni	8st-ni	9st-ni	9.0	2s	2sw	2sw	,,	
23	10st	10st	9cu-st	9.7	2sw	3sw	1sw	,,	
24	10st	10st-ni	5cu	8.3	3sw	3sw	1sw	,,	
25	0	1cu-ci	5cu	2.0	2w	3w	1sw	,,	
26	0	3st-ci	8cu-st	3.7	2ne	1ne	1ne	light	
27	3ci	0	0	1.0	1ne	2ne	2ne	,,	
28	2ci	0	0	0.7	1nw	1ne	1ne	,,	
29	1ci	0	0	0.3	2e	2ne	1ne	,,	
30	2ci	10ci	0	4.0	2e	2ne	1ne	,,	D.a.m.H.p m
31	5st	7cu-st	2cu	4.7	6sw	4sw	3sw	slight	H.W.a.m
	mean			4.70					

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	7	4	0	1	14	1	2	0	31
14:30	1	11	0	0	0	15	1	2	1	31
20:30	1	12	0	0	0	16	0	1	1	31
Total	4	30	4	0	1	45	2	5	2	93

Number of days with rain, 13 fog 0, thunderstorms 1, gale. 1
71 yr. av. number of days with rain during month 10.76
Time of reading minus 2 hours equals G.C.T